

# Your partner for solutions tailored to your needs

Connectors | Advanced connection solutions





## FARSIGHTED PARTNER

# An international company locally interconnected for industry solutions

**We serve customers worldwide who aim to increase their industrial productivity whilst maintaining quality, reliability and safety.**

As one of the leading manufacturers of connection solutions, the Stäubli Connectors division fulfills needs for all types of electrical power, data, fluid and gas connections. Our Robotics division is a leading player around the world in industrial automation, consistently delivering engineering as effective and reliable as our service and support.

Stäubli Textile manufactures a range of quality high-speed systems for the weaving industry and offers personalized solutions. Our fundamental driving force is a passion for quality and innovation, inherited through many years of industrial experience.

### **Engineering your vision**

Developing and supplying high-performance solutions tailored to specific business requirements is our nature. Understanding and anticipating the trends shaping each branch of industry, is part of

the strategy pursued by Stäubli, as a global leader in advanced connection solutions for all markets.

### **Solutions to your challenges**

Our solutions are invented, designed, engineered, produced and enhanced by our skilled, ambitious and highly qualified staff. Our efforts focus on improving the reliability, efficiency, performance and usability of your equipment and applications, thereby raising your productivity bar and optimizing the total cost of ownership.



**50**  
countries



**5000**  
employees



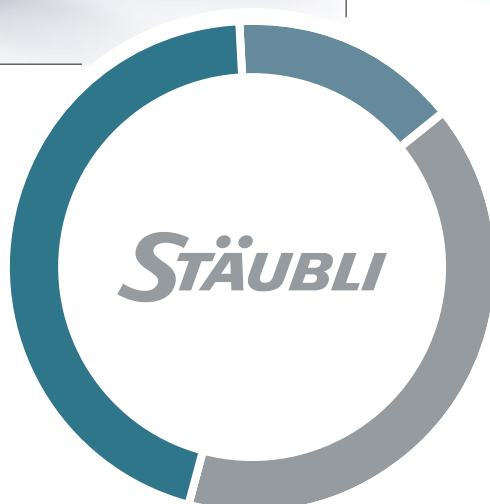
**12**  
production sites

## Robotics



## Connectors

Fluid Connectors  
Electrical Connectors



## Textile



**500**  
R&D specialists



**2000**  
pending patents



## EXPERIENCED AND COMMITTED

# A solution for every requirement

**Entrusted with their confidence, we are a committed partner to our customers in almost every industry.**

Among our business relationships we maintain many long-term ties that have been nurtured over years. Focusing on our customers and listening thoroughly, we design

connection solutions that make significant contributions to their applications. Understanding your challenges and needs as well as your customer's business, we work side by side with you to develop the tailor-made connection solution that brings you to the next level. Even the smallest high performance parts can have a big impact.

Perfectly matching your requirements, our customized connection solutions save time and space while also optimizing cost efficiency. They have acquired a reputation for excellence throughout numerous industries.

“Clean heating has been given considerable attention by the public as a major project for well-being. While transforming the energy system from coal to electricity, one of the main focus is a supporting power grid to solve the problem of rapid connection of emergency power in the case of breakdown in the areas of mountainous roads. Therefore, equipping a back-up system which allows for fast and easy connection with long-term security and reliability is our top priority. Stäubli Electrical Connectors perfectly understood our needs and came up with a dependable and flexible customized solution that is already implemented in more than 1600 lines.”

**Mr. Jingsong Zhao, Technical Engineer of power generator vehicles**  
State Grid Beijing Electric Power Company

SOLUTIONS WITH PERSPECTIVE

# The principle of innovation

**Stäubli, a market leading company, continually pushes for innovation, addressing current and future needs for advanced connection solutions.**

Inspired engineering, avid curiosity and technical expertise motivate us to perpetually develop the most innovative and versatile connectors for use in general as well as specific applications and conditions. We are a forward-thinking company, moving ahead and exploring tomorrow's technologies and market needs.

**Emerging trends**

On the hunt for new technologies and upcoming techniques – whilst observing economic trends – we network with technical universities and international organizations to integrate all impulses in our innovation management. Going beyond material analysis, mechanical design and construction expertise, we are eager to find the best fitting and cost-efficient solution for you today.



CROSS-INDUSTRY EXPERTISE



Photovoltaics



Electronics and communication



Pharmaceutical and biotechnology



Power Transmission and Distribution



Nuclear



Railway



Automotive



Renewable energies



Aeronautics



Test and Measurement



Manufacturing industry



Medical



E-mobility

GENERATING INNOVATION

## THE WAY TOGETHER

# At your side through all steps



**Stäubli Electrical Connectors stands for advanced contact technologies and elaborate solutions developed with a methodical and qualified approach.**

As every industry has its own challenges, we pay attention to the details of your needs. Our background, gained from Stäubli's presence in markets with a wide scope of requirements, enables us to provide you with solutions adapted to real life uses. Whether to integrate your own processes or meet the requirements of a new industry, we are at your side to find the best matching solution.

We work closely with our customers, both conceptually and geographically, even for the most uniquely demanding tasks. This proximity keeps us at the pulse of events to work out innovative solutions.

### Experts for you

To ensure a clear added value to our customers' efficiency and sustainability, we pursue structured workflows worldwide in all areas and locations. Our integrated management system, based on international standards, consolidates all process descriptions, work instructions as well as environmental policies.

This systematic approach and the ongoing validated and defined milestones assure controlled functionality from concept, design, prototyping and field testing all the way through to production and delivery. In the course of implementation and operation, our commitment to quality is evident: our employees remain attentive to ensure that the result meets your needs.



**People make the difference**

We assign high value to a close exchange with our customers, which allows us to anticipate queries and propose improvements of concepts, designs or implementation.

Always in search for excellence, we provide solutions that are made for longevity, ensuring and increasing productivity. Staying in touch with you during the life span of our implemented solution, we remain ready with well-timed updates and share best practice experience.



“The operating simulations performed with specific load profiles and the subsequent evaluation convinced us to opt for this solution. Stäubli’s expertise and close collaboration through all the project phases gives us a great sense of security.”

**Pascal Duvoisin,**  
Team Leader Installation Planning,  
Stadler Rail, CH-Bussnang







## MAKING KNOWLEDGE WORK

# Engineering experts at your service



**With solid experience in advanced contact technology and a broad range of industry dedicated products, our specialists world-wide are best prepared to collaborate with you.**

We have local engineering departments near to you that continuously search for new approaches to develop customized solutions according to your requirements. Our experts stay at your side from the very first idea all the way to implementation and support. Thanks to this closeness to our customers we gain insights that push our innovative spirit.

**Globally organized with local contacts**

Analyzing your needs and requirements, we consult you on-site and jointly draft ideas and concepts to best fit your demands. For

complex applications, we evaluate possible solutions by prototyping, testing and optimizing directly in the respective application. Once beyond the first crucial test phase in the field, we can lay the foundations for serial production.

Offering technologically advanced solutions, we are specialized in developing tailor-made connections for high current transmission, fluid, data and signal transfer in compact design, with low weight even while resisting strong vibrations and withstanding severe conditions. They are engineered for long-term operation even in challenging and harsh environments.



## EXTENDING YOUR CAPABILITIES

# Take efficiency to the next level

**We want to make sure that our customers have an optimal startup and perfect running conditions with our products used in their applications.**

By sharing insights on the implementation of advanced contact technologies, explaining how to install cutting-edge products or showing solution scenarios to assure life-long quality, safe handling and long-term operations, we support your development project and production plants.

Whether your operators join a hands-on product training session at our facilities, your engineers participate in online seminars, or our staff come on-site to your location for installation training, our product specialists support you effectively. For specific solutions, remote monitoring tools also provide you with valuable information on the operating status of the application.





**Material testing of MULTILAM: pressure resistance**



**IP test system for water jet protection**



**Climate test and temperature shock**

## COMMITTED TO QUALITY

# Testing to the limit: for performance and reliability

**We are a certified manufacturer and pride ourselves in meeting all the requirements of the respective markets and local regulations.**

Complying with international standards goes without saying and is fundamental for us. For this reason, we assure that our products meet or exceed relevant industry standards. Stäubli attaches great importance to field data, testing according to customer specifications and long-term in-house testing. Our own test laboratories

worldwide are regularly reviewed by the national and international standard organizations. At the same time, we participate actively in the relevant standards committees and can therefore quickly adapt to changes.

### **Maximum load to ensure functionality and safety**

We push the products and components in our tests to the limit, while simultaneously determining the absolute safety limit set by the application requirements. The

comprehensive tests simulate extreme ambient conditions as well as the mechanical and electrical strain the solutions will have to withstand when in operation.

The use of various testing procedures along with the evaluation and consolidation of individual results give binding advice for the product design and operating conditions.

“The customized solutions developed for our application have been subjected to detailed testing by Stäubli Electrical Connectors, so that we can guarantee our customers maximum operational reliability.”

**Leo Fäh,**  
Rolling Stock Division, Head of Electrical Engineering  
Rhätische Bahn, CH-Chur



## MANUFACTURING EXCELLENCE

# High-tech production facilities for cutting-edge technology

We own in-depth knowledge on all specific manufacturing techniques to setup in-house production processes for our high-tech products.

With production sites around the world, we are able to provide tailor-made assembly as well as privately labeled products for individual needs. The plants and equipment also allow for large scale production. The operations are globally aligned through standardized production procedures and meticulous monitoring.

We also oversee worldwide logistics for customer-specific products shipped according to your implementation schedule.

Our profound technical manufacturing expertise combined with the control of production and supply processes enables us to assure quality in terms of functionality, safety and material characteristics.



## THE CORE

# Advanced contact technology

**Stäubli offers cutting-edge connection solutions. With a passion for innovation, we focus on highest product efficiency and user safety.**

Reliability, maximal operational safety as well as longevity are synonyms for Stäubli electrical connectors. Our unique MULTILAM technology is the proof. This ingenious development forms the core of all our electrical connector products. With lowest contact resistance and far above-average service life, it allows for a highly efficient energy transfer.

### **An incomparable technology**

The Stäubli MULTILAM are specially shaped and resilient contact elements. Even under the toughest conditions, we can provide efficient, dependable and safe electrical connections based on this technology – certain products in the portfolio connect for up to 1 million mating cycles.



## SUMMARY OF COMPETENCE

# Our expertise is your advantage

**Our customer proximity and organizational size make us agile and therefore capable of responding rapidly to your needs.**

The track record of countless long-term customer relations and successfully implemented connection solutions worldwide are our asset for your benefit. With a passion for quality and innovation and this heritage of long-standing industrial experience, we commit ourselves to providing you the best and most efficient connection solution.

#### Partnership with added value

Creating value for our customers is at the heart of everything we do and enables us to become your preferred and reliable partner. We have the motivation to move forward using our expertise and broad industry know-how to improve productivity in your processes.



#### The benefits at a glance

- Receive the best solution for your challenges and needs
- Count on utmost usability, performance and efficiency of your equipment and applications
- Achieve optimal startup and perfect running conditions for maximum operational reliability
- Enjoy the added value of tested and proven solutions, best-in-class service, and supply chain partnership
- Experience enhanced capabilities through on-site support and knowledge sharing
- Benefit from long-term partnership supporting you in moving technologically forward
- Optimize total cost of ownership

“Jinko Solar as the biggest PV module manufacturer in the world does not make any compromise on quality. Top quality components are an integral part of our leading module technology. Stäubli is one of Jinko’s most reliable global supply chain partners not only offering top quality components, but also a best-in-class service attitude and supply chain partnership.”

**Frank Niendorf,**  
General Manager, JinkoSolar Europe



■ Stäubli Units    ○ Agents

# Global presence of the Stäubli Group

[www.staubli.com](http://www.staubli.com)